

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-6 (cancelled)

Claim 7 (currently amended): A control unit for a home automation system comprising:
 computing resources configured to execute application code on the control unit;
 context information stored in the control unit;
 a display presenting a graphical user interface;
 a plurality of interactive user interface elements presented on the graphical user interface such that a single user interface element can simultaneously display information about the context as well implementing behavior to send messages to a controlled system that can affect change in the displayed information;

wherein the context information comprises state information known to the control unit, which includes context-specific state information known to a particular control unit as well as global context information known to multiple or all control units in a system.

Claim 8 (original): The control unit of claim 7 wherein the context information comprises a temperature.

Claim 9 (original): The control unit of claim 7 wherein the context information comprises a security system arming status.

Claim 10 (original): The control unit of claim 7 wherein the context information comprises a volume control.

Claim 11 (original): The control unit of claim 7 wherein the context information comprises a light level.

Claim 12 (original): The control unit of claim 7 wherein the controlled system information comprises an HVAC system.

Claim ~~[[12]]~~ 18 (currently amended): The control unit of claim 7 wherein the controlled system information comprises an entertainment system

Claim 13 (original): The control unit of claim 7 wherein the controlled system information comprises a lighting subsystem.

Claim 14 (original): The control unit of claim 7 wherein the graphical user interface elements include background elements, passive elements, information display elements that present information from application software operating on the control unit, and control elements that cause application software operating on the control unit to initiate programmed behaviors.

Claim 15 (original): The control unit of claim 14 wherein the user interface as a whole is contextually sensitive in that the appearance of user interface elements and/or the behavior of user interface elements are varied in a manner that is dependent on the context of the control unit.

Claim 16 (cancelled)

Claim 17 (original): The control unit of claim 7 wherein the behavior is implemented by interacting with a user interface element that simultaneously displays information about the state of a controlled subsystem.

Claim 19 (new): A control unit for a home automation system comprising:
memory storing context information;
a display presenting a graphical user interface;
a plurality of interactive user interface elements presented on the graphical user interface, wherein one or more of the user interface elements are displayed based on the stored context information and a current state of the control unit;
wherein the context information comprises state information defining the current state, the context information including context-specific state information known to the control unit and global context information for the home automation system.

Claim 20 (new): The control unit of claim 19, wherein the graphical user interface elements include background elements, passive elements, information display elements that present information from application software operating on the control unit, and control elements that cause application software operating on the control unit to initiate programmed behaviors.

Claim 21 (new): The control unit of claim 19 wherein the user interface as a whole is contextually sensitive in that the appearance of user interface elements and/or the behavior of user interface elements are varied in a manner that is dependent on the context of the control unit.

Claim 22 (new): The control unit of claim 19, wherein the context information comprises a temperature, a security system arming status, a volume control, or a light level and wherein each of the interface elements simultaneously display information based on the context information and are operable to implement behavior to send control messages to a controlled system.

Claim 23 (new): A home automation system with contextual control, comprising:
 a first control unit operating with a first set of context information, comprising:
 computing resources configured to execute application code on the control unit;
 a display presenting a graphical user interface;
 a plurality of interactive user interface elements presented on the graphical user interface such that each of the user interface elements simultaneously displays information based on the first set of context information and implements behavior to send messages to a controlled system that can affect change in the displayed information;
 a second control unit operating with a second set of context information, comprising:
 computing resources configured to execute application code on the control unit;
 a display presenting a graphical user interface;

a plurality of interactive user interface elements presented on the graphical user interface such that each of the user interface elements simultaneously displays information based on the first set of context information and implements behavior to send messages to a controlled system that can affect change in the displayed information;

wherein the first and second sets of context information differ such that for a particular operating state of the first and second control units the displayed information for at least one of the user interface elements differs based on the context information for the particular control unit.

Claim 24 (new): The system of claim 23, wherein the context information comprises state information known by the first control unit and state information known by the second control unit, the state information comprising context-specific state information known to a particular one of the first and second control units and comprising global context information known to both the first and second control units.

Claim 25 (new): The system of claim 23, wherein the first and second control units are positioned in first and second rooms of a single building.

Claim 26 (new): The system of claim 23, wherein the first set of context information is associated with a first operator of the home automation system and the second set of context information is associated with a second operator of the home automation system.